

Oil Sample Analysis Report

U. S. EPA Region X

Case Number 15-05-0004

Marine Safety Laboratory

Case Number 15-270



U.S. Department of
Homeland Security

**United States
Coast Guard**



Manager
U.S. Coast Guard
Marine Safety Laboratory

1 Chelsea Street
New London, CT 06320
Phone: (860) 271-2704
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16450
18 Sep 2015

Attn: On-Scene Coordinator
Emergency Management Program
1200 Sixth Ave
Seattle, WA 98101

Dear On-Scene Coordinator:

The laboratory analysis of this case has been completed and our report is forwarded. The technical data supporting the report (spectrograms and chromatograms) have been archived at our facility and are available upon request. We will maintain the oil samples in refrigerated storage pending final case disposition.

Questions concerning this report or the analytical methods used should be directed to the Supervisor of Analysis, Kristy Juare.



K. JUARE

Encl: (1) MSL Report 15-270

**United States Coast Guard
Marine Safety Laboratory
Oil Sample Analysis Report
15-270**

Requestor: U. S. EPA Region X

Unit Case/Activity Number: 15-05-0004

Received: 02-Sep-15

Via: Federal Express 8043 1299 8849

Number Of Samples: 18

Lab ID for Spills: 1 through 12

Lab ID for Sources: 13 through 18

Lab ID for Background: n/a

Analysis Methods:

- ☒ GAS CHROMATOGRAPHY (GC)
- ☒ GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS)
- ☐ INFRARED SPECTROSCOPY (IR)

(b) (5)

(b) (7)(A)

SUPERVISOR OF ANALYSIS

K. JUAIRE

DATE 18-Sep-15

**United States Coast Guard
Marine Safety Laboratory
Oil Sample Analysis Report
Continuation
15-270**

(b) (5) (b) (7)(A) [Redacted]
[Redacted]
[Redacted]

[Redacted]

[Redacted]
[Redacted]

[Redacted]
[Redacted]

[Redacted]
[Redacted]

[Redacted]
[Redacted]

SUPERVISOR OF ANALYSIS K. JUAIRE  **DATE** 18-Sep-15

**United States Coast Guard
Marine Safety Laboratory**

**Oil Spill Identification Analysis
Cost Recovery Documentation**

Laboratory Case Number: 15-270

Requestor: U. S. EPA Region X

Unit Case Number: 15-05-0004

Number of Samples: 19

Cost Per Sample Prepared: (b) (4)

Total Costs of Sample Preparation: (b) (4)

Number of Analyses: 29

Cost Per Sample Analyzed: (b) (4)

Total Costs for Analysis: (b) (4)

TOTAL COSTS: (b) (4)

This documentation is provided for purposes of Phase IV - Documentation and
Cost Recovery under the National Oil and Hazardous Substances Pollution
Contingency Plan (40 CFR Part 300)

Signature:



Date: 18 Sep 2015

**United States Coast Guard
Marine Safety Laboratory**

**Oil Spill Identification Analysis
Cost Recovery Documentation**

Laboratory Case Number: 15-276
Requestor: U. S. EPA Region X
Unit Case Number: 15-05-0004
Number of Samples: 14
Cost Per Sample Prepared: (b) (4)
Total Costs of Sample Preparation: (b) (4)
Number of Analyses: 15
Cost Per Sample Analyzed: (b) (4)
Total Costs for Analysis: (b) (4)
TOTAL COSTS: (b) (4)

This documentation is provided for purposes of Phase IV - Documentation and
Cost Recovery under the National Oil and Hazardous Substances Pollution
Contingency Plan (40 CFR Part 300)

Signature: _____



Date: 18 Sep 2015

**United States Coast Guard
Marine Safety Laboratory**

**Oil Spill Identification Analysis
Cost Recovery Documentation**

Laboratory Case Number: 15-278
Requestor: U. S. EPA Region X
Unit Case Number: 15-05-0004
Number of Samples: 3
Cost Per Sample Prepared: (b) (4)
Total Costs of Sample Preparation: (b) (4)
Number of Analyses: 4
Cost Per Sample Analyzed: (b) (4)
Total Costs for Analysis: (b) (4)
TOTAL COSTS: (b) (4)

This documentation is provided for purposes of Phase IV - Documentation and
Cost Recovery under the National Oil and Hazardous Substances Pollution
Contingency Plan (40 CFR Part 300)

Signature: _____



Date: 18 Sep 2015

**United States Coast Guard
Marine Safety Laboratory Sample
Check-In Log**

MSL Case/Activity Number: 15-270

Requestor: U. S. EPA Region X

Unit Case Number: 15-05-0004

Federal Project Number:

Delivery Method: Federal Express

Received Date: 02 Sep 15

Delivery Number: 8043 1299 8849

Priority: Yes

Rush: No

Comparison: No

Lab ID 15-270	Sample Descriptions from Sample Jars				Spill	Source
1	03B	15053141	LOCATION: BH24GW	GROUND WATER 6/5/2015 18:11	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	03C	15053141	LOCATION: BH26GW	GROUND WATER 6/5/2015 18:11	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	03D	15053141	LOCATION: BH26GW	GROUND WATER 6/5/2015 18:11	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	03E	15053141	LOCATION: BH26GW	GROUND WATER 6/5/2015 18:11	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	01B	15053153	LOCATION: TP02GW	WATER 6/10/2015	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	02A	15053153	LOCATION: TP02GW	WATER 6/10/2015	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	02B	15053153	LOCATION: TP02GW	WATER 6/10/2015	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	02C	15053153	LOCATION: TP02GW	WATER 6/10/2015	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	05A	15053501	LOCATION: BH01SB13	SOIL 5/29/2015	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	05B	15053501	LOCATION: BH01SB13	SOIL 5/29/2015	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Remarks: Sample description taken from CoC. "Spill/Source" designation inferred from sample description.

Samples checked in by: WILLIAM LIZIK

Date: 02 Sep 15

Sample Custodian: MS11 ALEXANDER SHUNDA

Date: 17 Sep 15

Supervisor of Analysis: K. JUAIRE

Date: 18 Sep 15

**United States Coast Guard
Marine Safety Laboratory
Check-In Log**

MSL Case Number: 15-270

Lab Number 15-270	Sample Descriptions from Sample Jars			Spill	Source
11	05C	15053501	LOCATION: BH01SB13 SOIL 5/29/2015	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	05D	15053501	LOCATION: BH01SB13 SOIL 5/29/2015	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	01A	15053902	LOCATION: PUMP #2 OFF ROAD DIESEL PRODUCT 6/3/2015 0914	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	01B	15053902	LOCATION: PUMP #2 OFF ROAD DIESEL PRODUCT 6/3/2015 0914	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	04A	15053905	LOCATION: STOVE OIL PRODUCT 6/3/2015 0922	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	04B	15053905	LOCATION: STOVE OIL PRODUCT 6/3/2015 0922	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17	05A	15053901	LOCATION: PUMP #5 HIGHWAY DIESEL PRODUCT 6/3/2015 0911	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18	05B	15053901	LOCATION: PUMP #5 HIGHWAY DIESEL PRODUCT 6/3/2015 0911	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19				<input type="checkbox"/>	<input type="checkbox"/>
20				<input type="checkbox"/>	<input type="checkbox"/>

Samples checked in by: WILLIAM LIZIK

Date: 02 Sep 15

Sample Custodian: MST1 ALEXANDER SHUNDA

Date: 17 Sep 15

Supervisor of Analysis: K. LAIRE

Date: 18 Sep 15

**United States Coast Guard
Marine Safety Laboratory Sample
Check-In Log**

MSL Case/Activity Number: 15-276

Requestor: U. S. EPA Region X

Unit Case Number: 15-05-0004

Federal Project Number:

Delivery Method: Federal Express

Received Date: 04 Sep 15

Delivery Number: 6496 7498 0990

Priority: Yes

Rush: No

Comparison: No

Lab ID 15-276	Sample Descriptions from Sample Jars		Spill	Source
1	15053135	LOCATION: BH21GW GROUND WATER 6/4/2015 09:37	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	15053136	LOCATION: BH22GW GROUND WATER 6/4/2015 11:54	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	03A 15053904	PUMP #4 NON-ETHANOL BLENDED GASOLINE 6/3/15 0919	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	15053105	LOCATION: BH04GW GROUND WATER 5/29/2015 12:16	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	15053131	LOCATION: BH12GW GROUND WATER 6/3/2015 18:45	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	15053114	LOCATION: BH12GW GROUND WATER 6/1/2015 10:53	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	15053130	LOCATION: BH15GW GROUND WATER 6/3/2015 16:10	<input type="checkbox"/>	<input type="checkbox"/>
8	2A 15053903	PUMP#3 E-10 REG UNLEADED GAS 6/3/15 0917	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	15053604	LOCATION: IR04GW GROUND WATER 6/1/2015 18:10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	15053601	LOCATION: IR-1GW GROUND WATER 6/1/2015 14:10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remarks: Sample descriptions taken from CoC for samples 1-2, 4-7, and 9-12. "Spill/Source" designation inferred from sample description.				

Samples checked in by: MST1 SEAN JANNE

Date: 04 Sep 15

Sample Custodian: MST1 ALEXANDER SHUNDA

Date: 17 Sep 15

Supervisor of Analysis: K. JUAREZ

Date: 18 Sep 15

**United States Coast Guard
Marine Safety Laboratory
Check-In Log**

MSL Case Number: 15-276

Lab Number 15-276	Sample Descriptions from Sample Jars	Spill	Source
11	15053103 LOCATION: BH01GW GROUND WATER 5/29/2015 09:40	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	02E 15053121 LOCATION: BH12GW GROUND WATER 6/2/2015 18:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13		<input type="checkbox"/>	<input type="checkbox"/>
14		<input type="checkbox"/>	<input type="checkbox"/>
15		<input type="checkbox"/>	<input type="checkbox"/>
16		<input type="checkbox"/>	<input type="checkbox"/>
17		<input type="checkbox"/>	<input type="checkbox"/>
18		<input type="checkbox"/>	<input type="checkbox"/>
19		<input type="checkbox"/>	<input type="checkbox"/>
20		<input type="checkbox"/>	<input type="checkbox"/>

Samples checked in by: MST1 SEAN JANNE

Date: 04 Sep 15

Sample Custodian: MST1 ALEXANDER SHUNDA

Date: 17 Sep 15

Supervisor of Analysis: K. JUAIRE

Date: 18 Sep 15

**United States Coast Guard
Marine Safety Laboratory Sample
Check-In Log**

MSL Case/Activity Number: 15-278

Requestor: U. S. EPA Region X

Unit Case Number: 15-05-0004

Federal Project Number:

Delivery Method: Federal Express

Received Date: 04 Sep 15

Delivery Number: 6496 7498 1081

Priority: No

Rush: No

Comparison: No

Lab ID 15-278	Sample Descriptions from Sample Jars	Spill	Source
1	15053505 LOCATION: BH12SB12 SOIL 6/1/2015 10:10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2		<input type="checkbox"/>	<input type="checkbox"/>
3		<input type="checkbox"/>	<input type="checkbox"/>
4		<input type="checkbox"/>	<input type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>
6		<input type="checkbox"/>	<input type="checkbox"/>
7		<input type="checkbox"/>	<input type="checkbox"/>
8		<input type="checkbox"/>	<input type="checkbox"/>
9		<input type="checkbox"/>	<input type="checkbox"/>
10		<input type="checkbox"/>	<input type="checkbox"/>

Remarks: "Spill" designation inferred from sample description.

Samples checked in by: MST1 SEAN JANNE

Date: 04 Sep 15

Sample Custodian: MST1 ALEXANDER SHUNDA

Date: 17 Sep 15

Supervisor of Analysis: K. JUAIRE

Date: 18 Sep 15